

<110> Achilefu, Samuel I.
Rajagopalan, Raghavan
Dorshow, Richard B.
Bugaj, Joseph E.

Mallinckrodt Inc.

<120> Dye-Bioconjugates for Simultaneous Optical Diagnostic and
Therapeutic Applications

<130> MRD-75

<140>

<141> 2002-02-07

<160> 8

<170> PatentIn Version 3.1

<210>

1

<211>

8

<212>

PRT

<213>

Artificial Sequence

<220>

<221>

MOD_RES

<222>

(1)...(8)

<223>

Xaa at location 1 represents D-Phe. Artificial sequence is
completely synthesized.

<223>

Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids. Artificial sequence is completely synthesized.

<223>

Xaa at location 4 represents D-Trp. Artificial sequence is
completely synthesized.

<400>

1

Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
1 5

<210>

2

<211>

8

<212>

PRT

<213>

Artificial Sequence

<220>

<221>

MOD_RES

<222>

(1)...(8)

<223>

Xaa at location 1 represents D-Phe. Artificial sequence is
completely synthesized.

<223>

Xaa at locations 2 and 7 represents Cys with an
intramolecular disulfide bond between two Cys
amino acids. Artificial sequence is completely synthesized.

<223>

Xaa at location 4 represents D-Trp. Artificial sequence is
completely synthesized.

<223>

Xaa at location 8 represents Thr-OH. Artificial sequence is
completely synthesized.

<400>

2

Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
1 5

<210> 3
<211> 11
<212> PRT
<213> Unknown

<220>
<221> MOD_RES
<222> (1)...(11)
<223> Bombesin analog

<400> 3
Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 4
<211> 11
<212> PRT
<213> Unknown

<220>
<221> MOD_RES
<222> (1)...(11)
<223> Bombesin analog

<400> 4
Gly Asp Gly Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 5
<211> 8
<212> PRT
<213> Unknown

<220>
<221> MOD_RES
<222> (1)...(8)
<223> Cholecystokinin octapeptide analogs

<400> 5
Asp Tyr Met Gly Trp Met Asp Phe
1 5

<210> 6
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(8)
<223> Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.

<400> 6
Asp Tyr Xaa Gly Trp Xaa Asp Phe
1 5

<210> 7
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(8)
<223> Xaa at location 1 represents D-Asp. Artificial sequence is completely synthesized.
<223> Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.

<400> 7
Xaa Tyr Xaa Gly Trp Xaa Asp Phe
1 5

<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)...(8)
<223> Xaa at location 1 represents D-Lys. Artificial sequence is completely synthesized.

<400> 8
Xaa Pro Arg Arg Pro Tyr Ile Leu
1 5